Comparative Statement

der Number	BBMP/2017-18/BD/WORK_INDENT30140/CALL-2
Tender Name	Construction of Anganavadi Building at Govt. Hegher Primary School Premises Bhuvaneshwari Nagara & Re-Construction & Improvements of roads and CC drian at 7th Main, 11th Cross surroundings 11th A cross road, Bhuvaneshwari nagra & 3rd, 4th, 7th Main road of MEI Layout & MEI Layout New Extn Main road & Cross roads in Ward no. 14, Dasarahalli Sub-Division Package No. DZ 2017-18- (1) (4-Works).

No	Item Name	Unit	Estimate Quantity	Estimate Rate	Total Amount	Negotiation Rate quoted by Sri M.S.Venkatesh		S.R.Rate 2018-19 as on 05.01.2019		M S VENKATESH (VENKATESH M S)		CHANDRAIAH B M (BANGALORE MAYANNA CHANDRAIAH)	
						Rate	Amount	Rate	Amount	Quoted Rate	Total Amount	Quoted Rate	Total Amount
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Unties, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications	cum	56.57	6876.36	388995.6852	9160.00	518181.1523	6876.36	388995.69	8732.98	494024.6786	9076.8	513474.576
	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, abour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications	sqm	6.72	492.48	3309.4656	656.03	4408.539126	492.48	3309.47	625.45	4203.024	650.07	4368.4704

3	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	cum	0.22	5876.28	1292.7816	7827.79	1722.114369	5876.28	1292.78	7462.88	1641.8336	7756.69	1706.4718
4	Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications.	Sqm	148.78	395.28	58809.7584	526.55	78340.47916	395.28	58809.76	502.01	74689.0478	521.77	77628.9406
5	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. Specification	Sqm	179	338.04	60509.16	450.30	80604.25204	338.04	60509.16	429.31	76846.49	446.21	79871.59
6	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications	Sqm	19.36	732.24	14176.1664	975.42	18884.07126	732.24	14176.17	929.94	18003.6384	966.56	18712.6016
7	Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications.	Sqm	191.92	276.48	53062.0416	368.30	70683.94562	276.48	53062.04	351.13	67388.8696	364.95	70041.204
8	Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications.	Sqm	9.84	291.6	2869.344	388.44	3822.253142	291.6	2869.34	370.33	3644.0472	384.91	3787.5144

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	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.	Tonne	6.06	60534	366836.04	80637.34	488662.2889	64243.42	389315.13	76878.18	465881.7708	79904.88	484223.5728
10	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:4 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.	Cum	49.03	7328.88	359334.9864	9762.80	478670.1354	7328.88	359334.99	9307.68	456355.5504	9674.12	474322.1036
1	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications.	Cum	0.4	111083.4	44433.36	147974.20	59189.67886	111083.4	44433.36	141075.92	56430.368	146630.09	58652.036
	Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour charges, complete as per specifications.	No	4	1138.32	4553.28	1516.36	6065.424288	1138.32	4553.28	1445.67	5782.68	1502.58	6010.32
	Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications.	Sqm	8.4	3889.08	32668.272	5180.64	43517.40513	3889.08	32668.27	4939.13	41488.692	5133.59	43122.156

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14	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raui plugs, or teak wood gatties including cutting masonry or concrete and making good the originai surface using cement mortar, aluminium	Sqm	26.88	4209.84	113160.4992	5607.93	150741.101	4209.84	113160.50	5346.5	143713.92	5556.99	149371.8912
15	Providing and fixing M.S.grill work for windows and Kgs ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications.	Kg	564.48	84.24	47551.7952	112.22	63343.74639	84.24	47551.80	106.98	60388.0704	111.2	62770.176

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16	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. Square rod at 150mm c/c spacing and 6mm x 40mm M.S. flats at horizontal and 6mm x12mm M.S. flat for ornamental design and providing shop edge design at the vertex of every vertical rods, including welding, grinding wherever necessary. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment and electricity charges, etc., complete as per specification	Sqm	30	5641.92	169257.60	7515.60	225468.049	5641.92	169257.60	7165.24	214957.20	7447.33	223419.90
17	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.	Sqm	537.46	252.72	135826.8912	336.65	180935.0018	252.72	135826.89	320.95	172497.787	333.59	179291.2814
18	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification	Sqm	265.92	238.68	63469.7856	317.95	84548.1014	238.68	63469.79	303.12	80605.6704	315.06	83780.7552
19	Providing 12mm thick cement piaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification.	Sqm	249.84	208.44	52076.6496	277.66	69371.30493	208.44	52076.65	264.72	66137.8448	275.14	68740.9776
20	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.	Sqm	515.76	27	13925.52	35.97	18550.18519	27	13925.52	34.29	17685.4104	35.64	18381.6864

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21	Providing and laying flooring using prepolished, water cut/gang saw using 10mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specificationsusing silver grey granite / Multy Red / Ruby Red I Black / Hassan Green Granite of width not less than 1200mm	Sqm	188.45	1378.08	259699.176	1835.74	345945.2723	1378.08	259699.18	1750.16	329817.652	1819.07	342803.7415
22	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting	Sqm	515.76	60.48	31193.1648	80.57	41552.41483	60.48	31193.16	76.81	39615.5256	79.83	41173.1208
23	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications.	Sqm	515.76	76.68	39548.4768	102.15	52682.52595	76.68	39548.48	97.38	50224.7088	101.22	52205.2272
24	Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications.	Sqm	515.76	4.32	2228.0832	5.75	2968.029631	4.32	2228.08	5.49	2831.5224	5.7	2939.832

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25	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min. to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges	Sqm	537.46	375.84	201998.9664	500.66	269082.8231	375.84	201998.97	477.32	256540.4072	496.11	266639.2806
26	Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications	Sqm	21.6	44.28	956.448	58.99	1274.084381	44.28	956.45	56.24	1214.784	58.45	1262.52
27	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials,labour, complete as per specifications.	Sqm	21.6	90.72	1959.552	120.85	2610.319219	90.72	1959.55	115.21	2488.536	119.75	2586.60
28	Extra over Item No. 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering includingcost of materials, labour, complete as per specifications.	Sqm	21.6	51.84	1119.744	69.06	1491.610982	51.84	1119.74	65.84	1422.144	68.43	1478.088
9	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications.	Sqm	134.76	31.32	4220.6832	41.72	5622.372091	31.32	4220.68	39.78	5360.7528	41.34	5570.9784

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30	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	134.76	88.56	11934.3456	117.97	15897.74177	88.56	11934.35	112.47	15156.4572	116.9	15753.444
31	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment)	M	152.4	38.88	5925.312	51.79	7893.108115	38.88	5925.31	49.38	7525.512	51.32	7821.168
32	0179 Handles to full width 2m long	Each	6	1090.8	6544.80	1453.05	8718.32808	1090.8	6544.80	1385.32	8311.92	1439.86	8639.16
33	0188 Hinges 5" heavy duty	Each	9	39.96	359.64	53.23	479.076444	39.96	359.64	50.75	456.75	52.75	474.75
34	Providing Screws	Each	60	3.24	194.40	4.32	258.96024	3.24	194.40	4.11	246.60	4.28	256.80
35	0220 Locking arrangements	Each	4	702	2808.00	935.13	3740.5368	702	2808.00	891.54	3566.16	926.64	3706.56
36	Providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipes 110 mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.	M	24	613.44	14722.56	817.16	19611.92218	613.44	14722.56	779.07	18697.68	809.74	19433.76
37	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.19/20mm dia 2mm thick	Rmt	50	43	2150.00	57.28	2864.015	43	2150.00	54.61	2730.50	56.76	2838.00

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38	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2mm thick conforming to IS 2509 with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipes ends should be covred using PVC end enclosures. run with 18SWG GI fish wire wherever necessary.a)25mm dia 2 mm thick	Rmt	50	57	2850.00	75.93	3796.485	57	2850.00	72.39	3619.50	75.24	3762.00
39	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 19/20mm dia 2mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.19/20mm dia 2mm thick	Rmt	50	56	2800.00	74.60	3729.88	56	2800.00	71.12	3556.00	73.92	3696.00
40	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 25mm dia 2.mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.a)25mm dia 2 mm thick	Rmt	50	58	2900.00	77.26	3863.09	58	2900.00	73.66	3683.00	76.56	3828.00
41	Concealed Conduit System Supplying heavy gauge PVC conduit pipe 32mm dia 2.5mm metal/PVC junction boxes adhesive paste etc. By groove cutting in the wall and fixing by bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary.32mm dia 2.5 mm thick	Rmt	30	88	2640.00	117.22	3516.744	88	2640.00	111.76	3352.80	116.16	3484.80
2	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring with specified IS-694:1990 & conforming to GTP of	Rmt	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
3	Group-A.	Rmt	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
4	1.0 Sqm	Rmt	150	13	1950.00	17.32	2597.595	13	1950.00	16.51	2476.50	17.16	2574.00
5	1.5Sqm	Rmt	150	18.6	2790.00	24.78	3716.559	18.6	2790.00	23.62	3543.00	24.55	3682.50

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46	2.5Sqm	Rmt	100	29.2	2920.00	38.90	3889.732	29.2	2920.00	37.08	3708.00	38.54	3854.00
47	4.0Sqm	Rmt	100	42.1	4210.00	56.08	5608.141	42.1	4210.00	53.47	5347.00	55.57	5557.00
48	10.0Sqm	Rmt	20	108	2160.00	143.87	2877.336	108	2160.00	137.16	2743.20	142.46	2849.20
49	Point wiring using Copper wire without switch.Supplying and wiring adopting loop system in existing PVC Conduit/casing capping using 1100V Grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2x1.5 Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose lenght in a wood/PVC round block. complete for each outlet.(5/2.3	Each Poir	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
50	Using class A materials	Each Poir	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
51	Short point up to 3mtrs from tapping point to out let via switch	Each Poir	10	144	1440.00	191.82	1918.224	144	1440.00	182.88	1828.80	190.08	1900.80
52	Medium point a above 3mtr up to 6mtr from tapping point to out let via switch	Each Poir	10	215	2150.00	286.40	2864.015	215	2150.00	273.05	2730.50	283.8	2838.00
53	Long point a above 6mtr up to 10mtr from tapping point to out let via switch	Each Poir	8	334	2672.00	444.92	3559.3712	334	2672.00	424.18	3393.44	440.88	3527.04
54	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required conforming to IEC60898.5-32Amps DP	No	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
55	5-32Amps DP MCB (,I No-6.15.5 of PWD S.R 2014-15)	No	2	849	1698.00	1130.95	2261.9058	849	1698.00	1078.23	2156.46	1120.68	2241.36
56	5-32Amps SP MCB (,I No-6.15.1 of PWD S.R 2014-15)	No	2	418	836.00	556.82	1113.6356	418	836.00	530.86	1061.72	551.76	1103.52
57	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure,III-Single Door.Group A12Way SP &N	No	1	1047	1047.00	1394.71	1394.7087	1047	1047.00	1329.69	1329.69	1382.04	1382.04
58	Supply and fixing of bakelite D.P/Socket/ switch with/without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 Group-A.32Amps Flush/projected types DP switch	No	8	211	1688.00	281.07	2248.5848	211	1688.00	267.97	2143.76	278.52	2228.16

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	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plateas per IS 3854 and IS 1293 Group "A" materials k) TV/Telephone socket (8/18)	No	20	82	1640.00	109.23	2184.644	82	1640.00	104.14	2082.80	108.24	2164.80
0	Supply patti type fluorescent tube light fitting of 4'- 28 watts fluorescent tube fitting, made out of M.S sheet and stove enameled with HF Electronic Ballast,locking type brass contact holders mounted on double fold type sheet base fully wired for use on 230 Volts A C Supply including T5 lamp Group - A	No	20	669	13380.00	891.17	17823.498	669	13380.00	849.63	16992.60	883.08	17661.60
1	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per technical data approved. 48" Sweep (1400mm) a.Regular model (23/23)	No	8	2500	20000.00	3330.25	26642	2500	20000.00	3175.0	25400.00	3300.0	26400.00
2	Supply and fixinjg metal fan box with round hook	No	8	72	576.00	95.91	767.2896	72	576.00	91.44	731.52	95.04	760.32
	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate.. Is 3854 and IS 1293. (16/3.7)	No	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
	6Amps SP Switch (I No-3.7.1 of PWD S.R 2014-15)	No	5	63	315.00	83.92	419.6115	63	315.00	80.01	400.05	83.16	415.80
	6Amps 3way 5 pin socket (I No-3.7.3 of PWD S.R 2014-15)	No	2	95	190.00	126.55	253.099	95	190.00	120.65	241.30	125.4	250.80
	32Amps Flush/projected types DP switch (I No-3.7.9 of PWD S.R 2014-15)	No	1	164	164.00	218.46	218.4644	164	164.00	208.28	208.28	216.48	216.48
	Supplying and flush mounting powder coated metal / galvanised metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in brick/Stone/C.C wall (15/3.5)	Each	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
	5Way (I No-3.5.2of PWD S.R 2014-15)	Each	4	98	392.00	130.55	522.1832	98	392.00	124.46	497.84	129.36	517.44
	Way (I No-3.5.3of PWD S.R 2014-15)	Each	2	121	242.00	161.18	322.3682	121	242.00	153.67	307.34	159.72	319.44
	ay (I No-3.5.4of PWD S.R 2014-15)	Each	2	140	280.00	186.49	372.988	140	280.00	177.8	355.60	184.8	369.60
	2Way (I No-3.5.5of PWD S.R 2014-15)	Each	1	159	159.00	211.80	211.8039	159	159.00	201.93	201.93	209.88	209.88

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72	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6)	Each	1	1	1.00	1.33	1.3321	1	1.00	1.27	1.27	1.32	1.32
73	4Moudule (I No-3.6.2 of PWD S.R 2014-15)	Each	4	100	400.00	133.21	532.84	100	400.00	127.0	508.00	132.0	528.00
74	6Moudule (I No-3.6.3 of PWD S.R 2014-15)	Each	2	125	250.00	166.51	333.025	125	250.00	158.75	317.50	165.0	330.00
75	8Moudule (I No-3.6.4 of PWD S.R 2014-15)	Each	2	175	350.00	233.12	466.235	175	350.00	222.25	444.50	231.0	462.00
76	12Moudule (I No-3.6.6 of PWD S.R 2014-15)	Each	1	230	230.00	306.38	306.383	230	230.00	292.1	292.10	303.6	303.60
77	Supplying and fixing PVC/metal conduit accessories.(2/1.5)	Each	50	47	2350.00	62.61	3130.435	47	2350.00	59.69	2984.50	62.04	3102.00
78	Providing and laying in position plain cement concrete cum of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	23.4	5256.36	122998.824	7002.00	163846.7335	5256.36	122998.82	6675.58	156208.572	6938.4	162358.56
79	Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	23.4	5876.28	137504.952	7827.79	183170.3466	5876.28	137504.95	7462.88	174631.392	7756.69	181506.546
80	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.	Cum	394.2	186.92	73683.864	249.00	98154.27523	253.98	100118.92	322.55	127149.21	335.25	132155.55

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81	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete asper specifications.	Cum	239.4	186.92	44748.648	249.00	59609.674	186.92	44748.65	322.55	77218.47	335.25	80258.85
82	Removing B.S.Slabsand stacking etc complete.	Sqm	5280	65.72	347001.60	87.55	462240.8314	65.72	347001.60	141.35	746328.00	146.92	775737.60
83	Refixing stone slabs of drains and pointing in C.M (1:3).	Sqm	4224	80.56	340285.44	107.31	453294.2346	80.56	340285.44	141.35	597062.40	146.92	620590.08
84	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 10cms thick	Sqm	1056	825.74	871981.44	1099.97	1161566.476	966.72	1020856.32	1227.73	1296482.88	1276.07	1347529.92
85	Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per specifications.	Sqm	1760	9.54	16790.40	12.71	22366.49184	15.9	27984.00	20.19	35534.40	20.99	36942.40
86	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications.	Cum	662.55	148.76	98560.938	198.16	131293.0255	159.64	105769.48	202.74	134325.387	210.72	139612.536
87	Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method	Cum	331.28	1665.26	551667.3328	2218.29	734876.054	1855	614524.40	2355.85	780445.988	2448.6	811172.208
88	Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.	Sqm	2208.5	5.3	11705.05	7.06	15592.29711	6.36	14046.06	8.08	17844.68	8.4	18551.40

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89	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	441.7	1768.08	780960.936	2355.26	1040318.063	2001.28	883965.38	2541.63	1122637.971	2541.69	1166834.473
90	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications.	Sqm	5210	27.56	143587.60	36.71	191273.042	29.68	154632.80	45.77	238461.70	47.57	247839.70
91	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	9052.5	3.18	28786.95	4.24	38347.0961	5.3	47978.25	6.73	60923.325	7.0	63367.50
92	Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.	Sqm	9052.5	12.72	115147.80	16.94	153388.3844	12.72	115147.80	18.85	170639.625	19.59	177338.475
93	Providing and laying dense graded bituminous macadam using 100/120 TPH capacity H.M.P. with sensor paver Gr-li (50 mm to 75 mm) with 4.5 % VG-30 Bitumen grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH table 500-10 complete in all respects complete as per specifications.	Cum	148.95	7120.02	1060526.979	9484.58	1412727.989	6858.20	1021528.89	9805.72	1460561.994	10191.77	1518064.1415

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94	Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 5.4 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications.	Cum	362.1	8118.54	2939723.334	10814.71	3916005.453	8244.68	2985398.63	11405.01	4129754.121	11854.02	4292340.642
		३	०	५	२	७	६	९	१०	११	१२	१३	१४
95	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including	Sqm	622.5	542.72	337843.20	722.96	450040.9267	454.74	283075.65	577.52	359506.20	600.26	373661.85
	Total Summary Amount				10674864.72		14219987.3		11041404.56	15052939.71			15645654.43
	12% GST								1324968.547				
				Compare with Put to tender+ Negotiated rate			33.21		12366373.1				
	% against Estimated Rate			Compare with 12% GST + Negotiated rate			14.99	Compare with 12% GST+ Quoted Rate	21.72	Compare with Put to tender + Quoted Rate	41.01	26.52	46.5654
	% against CSR							Compare with 12% GST+ Put to tender	15.85				
	Total Bid Amount									15052939.71 (L1)		15645654.43 (L2)	

After Negotiation the rate quoted by the Contracotr Sri Sri M S VENKATESH for an amount of Rs. 14219987.30, which is 33.21% Above & When compared to amount to put to tender, and which works out to 14.99% Above (No Changes of S.R. 2018-19 & Issue Rates) of CSR 1018-19 (Including GST) and PWD Issue rates of Dt:05.01.19, Hence tender May be approved

Executive Engineer
Dasarahalli Division
BBMP

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